Jay **Hwang**

Github • **Portfolio** • **Angel** • **LinkedIn**

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PROJECTS

COUCHBNB (Ruby on Rails, PostgreSQL, ReactJS + Redux) **Live •
Github**

FULL-STACK, REST-FUL, SINGLE-PAGE WEB APPLICATION INSPIRED BY AIRBNB
- Slashed database build time up to 70% by designing a DRY, automated program that utilizes Ruby's Net::HTTP class to fetch data and seed the database
- Maximized search-engine efficiency by channeling search-queries to employ AJAX requests to Google Maps API to filter and pan the Map

SPACE-INVADERS (Vanilla Javascript, HTML Canvas, CSS) **Live • Github**

FRONT-END, BROWSER-BASED GAME BUILT WITH JAVASCRIPT AND HTML CANVAS
- Utilized Vanilla JavaScript & HTML5 Canvas to create a robust front-end game
- Increased responsiveness by 40% by engineering a dynamic solution that utilizes Real Time measurements to alleviate Canvas lag

PABANG (WebCrawler) (Ruby, Selenium) **Github**

BOT THAT AUTOMATES JOB APPLICATIONS UTILIZING SELENIUM
- Engineered a script that applies to jobs matching specified criteria
- Tailored program to individuals by implementing a keyword matching algorithm to filter and query data specified by users

ACTIVE-RECORD (Ruby) **Github**

RENDITION OF RAILS ORM LIBRARY: ACTIVERECORD
- Employed Meta Programming by utilizing Ruby's #method_missing & #define_method to produce DRY, easily-manageable code & reduce repetitive code-fragments
- Created the ability to manipulate data in Relational Databases at a high-level, implementing Object Relational Mapping

SKILLS

JAVASCRIPT | REACT.JS | ES6 | RUBY ON RAILS | SQL | POSTGRESQL | HTML5 | CSS

EDUCATION

SOFTWARE DEVELOPMENT FALL 2016

APP ACADEMY
- Rigorous 1000-hour full stack software development school
- Emphasizes Pair-Programming, Algorithms, ADT's + Data Structures, OOP and TDD
- 90% assessment grade and pair-programming rating

EXPERIENCE

FREELANCE SOFTWARE DEVELOPER 2014-2016
- Delivered quality full-stack software projects with HTML, CSS, JavaScript, Rails & Postgres
- Boosted client satisfaction by following up & refactoring code to enhance products
- Reduced development-time & increased code-manageability 30% by creating Reusable Components & utilizing Meta Programming